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"Problems in the petroleum industry," by Colonel George A. Burrell (formerly head of Research Division, Chemical Warfare Service, U. S. Army), now president, The Gasoline Recovery Co., New York City.

"The composition of automobile exhaust gas in reference to the ventilation of vehicular tunnels," by Major Arno C. Fieldner, research chemist, Bureau of Mines, Pittsburgh, Pa.

On Friday evening preceding the symposium, a banquet of one hundred and thirty alumni and former students of the department was held at the Hartman Hotel. Among the speakers on this occasion were: Mr. Frederick W. Sperr, Jr., The Koppers Co.; Dr. Benjamin T. Brooks, The Mathieson Alkali Works; Mr. Frank O. Clements, General Motors Research Corporation; Professor Charles W. Foulk, department of chemistry, The Ohio State University; Mr. Cole Coolidge, department of chemistry, Ohio State University; Mrs. Carl Gay, and Mrs. George W. Stratton.

DEDICATION OF THE EDWARD ORTON MEMORIAL LIBRARY

THE Edward Orton Memorial Library was dedicated on Saturday, October 16, the exercises forming a part of the semi-centennial celebration of the Ohio State University. Edward Orton was the first president of that institution, its professor of geology until 1899, and state geologist of Ohio from 1882 until his death in 1899. The library, named in his honor, is a gift of his son, Colonel Edward Orton, Jr. It is located in Orton Hall and was opened for use late in 1917. The absence of Colonel Orton because of his duties in the war department prevented a dedication at that time.

Dr. I. C. White, president of the Geological Society of America, spoke on the contributions of Dr. Orton to geology; Colonel Orton spoke on the Edward Orton Memorial Library and announced the presentation of a set of the *Alpine Journal* and of \$500 and stated that he would give a like amount from time to time. A reception followed and later the guests were entertained at luncheon.

The books of this library consist chiefly of

the university collection, the geological survey collection and the Prosser library. The rooms are well lighted and commodious and the furnishings and equipment are unsurpassed by those of any similar library in the country.

SCIENTIFIC NOTES AND NEWS

NOBEL prizes have been awarded to Dr. Jules Bordet, professor of bacteriology at Brussels, and Dr. August Krogh, professor of oceanography at Copenhagen.

PROFESSOR F. FRANCIS, professor of chemistry in the University of Bristol, has been elected a corresponding member of the Belgian Royal Academy of Medicine.

DR. P. V. WELLS is returning to the Bureau of Standards after completing his investigations on the stratification of thin soap films, which he has been carrying forward at the laboratory of Professor Perrin in Paris.

GEORGE C. WHIPPLE, Gordon McKay professor of sanitary engineering, has returned to Cambridge after an absence of eight months, during which he has been chief of the Division of Sanitation of the League of Red Cross Societies, with headquarters at Geneva, Switzerland. His term of service ended on October 1, when he became consulting sanitary engineer. During the month of May, Professor Whipple and others visited Roumania to make an inspection of the methods for combating typhus and cholera.

NÉIL M. JUDD, curator of American archeology, United States National Museum, has returned to Washington after having spent the last five months in Utah, Arizona and New Mexico, engaged in archeological investigations for the Bureau of American Ethnology and the National Geographical Society.

ERNEST M. GRESS, Ph.D. (Pittsburgh, 1920), has been appointed botanist in the Pennsylvania Bureau of Plant Industry, Harrisburg. In connection with his other duties Dr. Gress will undertake the upbuilding of an extensive herbarium at Harrisburg.

A. C. BOYLE, JR., mining engineer, and professor at the University of Wyoming, has re-

signed from the university to accept the position of geologist with the Union Pacific R. R. Co., with headquarters in Omaha, Nebraska.

F. W. LOMMEN, formerly research chemist in the Sprague Memorial Institute, Chicago, is now research chemist with the National Carbon Company at Cleveland.

THE *Proceedings* of the Washington Academy of Sciences records resignations from the scientific service of the government as follows: Mr. A. H. Taylor, of the photometer section of the Bureau of Standards, has accepted a position at the Nela Research Laboratory of the General Electric Company. Mr. F. H. Tucker, associate chemist at the Bureau of Standards, has taken up research work at the New York laboratories of the Chile Exploration Company. Mr. Reeves W. Hart has resigned from the Leather Section of the Bureau of Standards, to become research chemist at the Benicia tannery, California. Mayo D Hersey, chief of the Aeronautic Instrument Section of the Bureau of Standards, has taken the position of associate professor of properties of matter, in the department of physics of the Massachusetts Institute of Technology. He is succeeded at the bureau by Dr. F. L. Hunt. Dr. Harrison E. Patten has resigned from the Bureau of Chemistry, U. S. Department of Agriculture, to accept a position as chief chemist with the Provident Chemical Company of St. Louis, Missouri. Kenneth P. Monroe, of the color laboratory of the Bureau of Chemistry, has accepted a position at the Jackson Laboratory of E. I. du Pont de Nemours and Company, Wilmington, Delaware.

At the meeting of the American Philosophical Society on November 5 the program consists of an illustrated paper by the president of the society, Professor William B. Scott, on "The Astrapotheria, a remarkable group of prehistoric South American animals."

A GENERAL discussion on "The physics and chemistry of colloids, and their bearing on industrial questions," was arranged jointly by the Faraday Society and the Physical Society of London, on October 25. The discussion

was presided over by Professor Sir W. H. Bragg, and was introduced by Professor Svedberg, of the University of Upsala.

PROFESSOR LEOTTA, of Rome, Dumas, of Paris, and S. Rossi, of Montevideo, have recently delivered scientific lectures in Vienna.

ARTHUR SEARLE, Phillips professor emeritus of astronomy at Harvard University, died at his home in Cambridge on October 23. Professor Searle, who was born in England in 1847 and graduated from Harvard in 1856, became assistant in the Harvard College Observatory in 1869, retiring from active service in 1912.

PROFESSOR YVES DELAGE, professor of zoology at the Sorbonne, Paris, died October 8, at sixty-six years of age.

SVEN LEONHARD TÖRNQUIST, Professor of geology at Lund, died on September 6 at the age of eighty years.

DR. F. HOFMANN, professor of hygiene at the University of Leipzig, has died at the age of seventy-seven years.

GENERAL WILLIAM C. GORGAS, former surgeon general of the Army, left an estate valued at \$20,500, according to the petition of the probate of his will filed by his widow, Mrs. Marie D. Gorgas. The estate includes a house at Chevy Chase, Md., and life insurance.

THE dean of the medical faculty of the University of Paris has been authorized in the name of the university to accept from Mme. Auguste Klumpke, widow of Professor Dejerine, the gift of the pathologico-anatomic collection of Dr. Dejerine, as well as a fund yielding 100,000 francs annually. A museum of neurology, including a laboratory, will be established which will bear the name of the J. Dejerine Foundation.

A RAMSAY Memorial Fellowship of the value of £300 a year for three years has been founded by subscriptions received from the Swiss Government and from Swiss donors, through the good offices of Professor Ph. A. Guye, of Geneva. The first Fellow to be elected is M. Etienne Roux, of Vich (Vaud),

Switzerland, who has decided to work in the laboratories of Professor W. H. Perkin, at Oxford.

THE one hundred and fifth regular meeting of the American Physical Society will be held in Cleveland, at the physical laboratory of Case School of Applied Science on Friday and Saturday, November 26 and 27, 1920. Other meetings for the current season are as follows: December 28-31, Chicago; annual meeting, February 25-26, New York; April 22-23, Washington; time not determined, Pacific Coast section.

THE Society of Biology of Buenos Aires has become a branch of the Society of Biology of Paris.

UNIVERSITY AND EDUCATIONAL NEWS

THE University of Virginia, founded by Thomas Jefferson, is preparing to celebrate its centennial anniversary next June, when it is expected that the alumni and friends will present an endowment fund of three million dollars.

DR. FRANK BILLINGS, who is professor of medicine in the University of Chicago, has given his medical library valued at \$25,000 to the university. It will form the nucleus of the clinical library of the Medical School and will be eventually housed in the Albert Merritt Billings Hospital.

THE mayor of Frankfurt has announced that an endowment of 1,500,000 marks has been made to the Frankfurt University by James Speyer, the New York banker, in memory of his deceased sister, Mrs. Eduard Beit Von Speyer.

DR. WALTER DILL SCOTT, professor of psychology in Northwestern University and president of the Scott Company, who during the war was director of the committee on personnel and colonel, U. S. A., has been elected president of Northwestern University.

MR. R. T. HASLAM, of the National Carbon Company, Cleveland, Ohio, has become di-

rector of the School of Chemical Engineering Practice of the Massachusetts Institute of Technology.

SAMUEL L. BOOTHROYD has been appointed professor of astronomy and geodesy at Cornell University, to succeed Professor O. M. Leland. Professor Boothroyd's appointment takes effect in September, 1921, in order that he may spend the coming year at the Lick Observatory, Mount Hamilton, California.

WILLIAM BERTOLLET PLANK, superintendent of the United States Bureau of Mines Station, Birmingham, Alabama, has been appointed to the George B. Markle professorship of mining engineering at Lafayette College. Other new appointments in the Engineering School the current year are Morland King, of Union College, to be associate professor of electrical engineering, William S. Lohr, of Lancaster, to be associate professor of civil engineering, and Luther F. Witmer, of the United States Bureau of Standards, to be associate professor of metallurgy.

AT the University of Iowa the following promotions to full professorships have been made: James Newton Pearce, chemistry; Lee Paul Sieg, physics; Ewen Murchison McEwen, anatomy, and John Hoffman Dunlap, hydraulics and sanitary engineering.

AT the State University of Iowa, Dr. Dayton Stoner has been promoted from associate in zoology to assistant professor of zoology.

ON returning to New York on September 29 from a collecting trip in northern Norway, H. P. K. Agersborg, instructor in anatomy, Long Island College Hospital, was appointed assistant professor of zoology, at the University of Wyoming.

DR. ARDREY W. DOWNS has been appointed to the chair of physiology in the University of Alberta. Dr. Downs was formerly assistant professor of physiology at McGill University.

DR. GRIFFITH TAYLOR, physiographer in the Weather Service, Melbourne, has been appointed to a specially created position of asso-